

20080911.ba v04_n207.bam.20080911

>From ???@??? Thu Sep 11 13:22:56 2008 -0500
Date: Thu, 11 Sep 2008 13:22:10 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 4207
Message-Id: <20080911181959.1005E10B175@srvr1.theporch.com>

BOATANCHORS Digest 4207

Topics covered in this issue include:

- 1) Re: L4 parts for HP 606A Siggen
by "JAMES HANLON" <knjhanlon@msn.com>
- 2) Re: L4 parts for HP 606A Siggen
by Scott Robinson <spr@earthlink.net>
- 3) Re: L4 parts for HP 606A Siggen
by "Arden Allen" <gumbear@pacbell.net>
- 4) Re: L4 parts for HP 606A Siggen
by "Don Reaves" <donreaves@gmail.com>
- 5) HP CD-200
by John Sehring <wb0eq@yahoo.com>
- 6) Re: HP CD-200
by spr@earthlink.net
- 7) Re: HP CD-200
by W0EOM@aol.com
- 8) Jack Hill where are you??
by kherron@voyager.net
- 9) Re: HP CD-200
by "k4pf@juno.com" <k4pf@juno.com>
- 10) HP CD-200
by John Sehring <wb0eq@yahoo.com>
- 11) Fw: ARRL Rocky Mountain Division update -- August/September 2008
by "JAMES HANLON" <knjhanlon@msn.com>
- 12) Re: HP CD-200
by "Arden Allen" <gumbear@pacbell.net>
- 13) Re: HP CD-200
by Garey Barrell <k4oah@mindspring.com>
- 14) RE: ARRL Rocky Mountain Division update -- August/September 2008
by RICHARD SOLOMON <w1ksq@q.com>
- 15) Re: HP CD-200
by "k4pf@juno.com" <k4pf@juno.com>
- 16) Re: ARRL Rocky Mountain Division update -- August/September 2008
by Garey Barrell <k4oah@mindspring.com>
- 17) Re: ARRL Rocky Mountain Division update -- August/September
2008
by John <johnmb@nc.rr.com>

- 18) Re: HP CD-200
by spr@earthlink.net
19) IM-2400 Counter FOR SALE
by "David Thompson" <thompson@mindspring.com>
20) Re: HP CD-200
by ail0@att.net

Message-ID: <BAY110-DAV8DA080CA6C3DC77351AD5A05A0@phx.gbl>
From: "JAMES HANLON" <knjhanlon@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: L4 parts for HP 606A Siggen
Date: Sun, 7 Sep 2008 13:47:00 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

Several years ago I had a tooth-stripped gear in an Eddystone receiver. At the suggestion of a model railroading friend I went to the local hobby shop and found a suitable gear among the model car parts. You might give it a try.

Jim Hanlon, W8KGI

Mime-Version: 1.0
Message-Id: <p06240802c4e9e4eccc4c@[192.168.1.2]>
Date: Sun, 7 Sep 2008 13:09:08 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: L4 parts for HP 606A Siggen
Cc: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Jim,

Try Small Parts Incorporated in Florida to see if they have a generic gear that could be adapted.

<http://www.smallparts.com/>

/scott

At 1:58 PM -0400 9/7/08, Al Klase wrote:

>Hi Jim,
>
>The 606 is an EXCELLENT signal generator, definitely a
>"laboratory-grade" piece of equipment, maybe the best of that era.
>The large frequency dial is much kinder to old eyes than, say, a
>URM-25.
>
>There's a fair number of these around, so perhaps someone can cough
>up the gears.
>
>Good luck,
>Al

Message-ID: <001101c9112c\$2e02d2e0\$ef9d480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: L4 parts for HP 606A Siggen
Date: Sun, 7 Sep 2008 13:56:15 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> It appears that some of the teeth on the 2 pinion gears on the
vernier
> shaft are stripped off.

If my memory serves me well the pinion gear is a rather course toothed
plastic affair. It makes me wonder why the tuning was forced to the point
of stripping the gear. I think my solution would be to remove the gear,
fill in the missing tooth area with epoxy, and then with jeweler's files
recreate the missing teeth.

Arden Allen
KB6NAX

Message-ID: <4bc9f60a0809072044s181dc735h3bc155fdeee19ba3@mail.gmail.com>
Date: Sun, 7 Sep 2008 22:44:28 -0500
From: "Don Reaves" <donreaves@gmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: L4 parts for HP 606A Siggen
Cc: "Old Tube Radios" <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hard tuning might have caused undue stress on the tuning gears. Dried grease may be the underlying problem. Repeatedly soaking the tuning gear box on mine until clear solvent ran out, over the course of a few weeks, followed by light lubrication resulted in much easier tuning and no doubt less stress on the plastic gears.

73 Don W5OR

Date: Tue, 9 Sep 2008 12:03:20 -0700 (PDT)
From: John Sehring <wb0eq@yahoo.com>
Subject: HP CD-200
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Message-ID: <465376.44213.qm@web45616.mail.sp1.yahoo.com>

Thanks vy much, Ed, for links on HP & the classic CD-200. Great, the HP story.

I've got a CD-200CD (the 5 Hz to 600 kHz model). I've had it for a long time, it's a keeper for me.

Needs some work though. Something like Black Beauties are leaking oil-like substance & osc. isn't working correctly (the .047 uF's feeding the grid of the output tubes). And the freq control is vy stiff...guessing it's the drive rather than the vari cap. It's allowed to need maint. after what, 40-45 years?!

What drives a bit buggy though about HP stuff are the constant circuit changes with no clue-giving change in model numbers! Even using serial numbers to keep track can be frustrating.

One of this list's esteemed electronic cognoscenti kindly helped me get "almost" the correct paperwork for my specific oscillatory incarnation!

Mine is serial #4115, tubes are 2@ 6SH7, 2@ 6AV5 & 5Y3, so it's got the later push-pull but still octal tube circuit. The closest schematic I've got is for a 202C (serial #93 & above) using 2@ 6SH7, 2@ 6AU5 & 5Y3; tube's are mighty close, range is 1 Hz - 100 kHz so schematic is probably vy close.

--John WB0EQ

Message-ID: <29080947.1220989975988.JavaMail.root@mswamui-bichon.atl.sa.earthlink.net>

Date: Tue, 9 Sep 2008 12:52:55 -0700 (GMT-07:00)
From: spr@earthlink.net
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP CD-200
Mime-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 7bit

Hi John,

There are, I think, 4 versions of this oscillator:

- 1) single ended circuit, octal tubes
- 2) PP circuit, octal tubes (yours)
- 3) PP circuit, miniature tubes
- 4) As above, silicon rectifier instead of 5Y3

This is from memory, and corrections are invited. I will see whihc schematics I have and can send you a copy if I have the right one.

Peace,

Scott

-----Original Message-----

>From: John Sehring <wb0eq@yahoo.com>

>Sent: Sep 9, 2008 12:03 PM

>To: Old Tube Radios <boatanchors@theporch.com>

>Subject: HP CD-200

>

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>

>--John WB0EQ

>

>

>

>

From: W0EOM@aol.com

Message-ID: <c64.2fb15675.35f83190@aol.com>

Date: Tue, 9 Sep 2008 16:07:44 EDT

Subject: Re: HP CD-200

To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="-----1220990864"

-----1220990864

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Scott - i think you are referring to the HP 200-CD, and -C. i would like to have a 200 or 200A, in the flat cabinet. I donated one to the Computer history museum in Mt. View.

Will

In a message dated 9/9/2008 12:53:45 P.M. Pacific Daylight Time, spr@earthlink.net writes:

Hi John,

There are, I think, 4 versions of this oscillator:

- 1) single ended circuit, octal tubes
- 2) PP circuit, octal tubes (yours)
- 3) PP circuit, miniature tubes

4) As above, silicon rectifier instead of 5Y3

This is from memory, and corrections are invited. I will see whihc schematics I have and can send you a copy if I have the right one.

Peace,

Scott

-----Original Message-----

>From: John Sehring <wb0eq@yahoo.com>

>Sent: Sep 9, 2008 12:03 PM

>To: Old Tube Radios <boatanchors@theporch.com>

>Subject: HP CD-200

>

>Thanks vy much, Ed, for links on HP & the classic CD-200. Great, the HP story.

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>

>--John WB0EQ

>

>

>

>

*****Psssst...Have you heard the news? There's a new fashion blog,
plus the latest fall trends and hair styles at StyleList.com.
(<http://www.stylelist.com/trends?ncid=aolsty00050000000014>)

-----1220990864
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----1220990864--

Message-ID: <3829.76.235.167.123.1220992360.squirrel@newmail.core.com>
Date: Tue, 9 Sep 2008 16:32:40 -0400 (EDT)
Subject: Jack Hill where are you??
From: kherron@voyager.net
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Anybody seen or heard from Jack lately??† I need to get my e-mail
address changed on the server before this one goes away and I can't seem
to raise him and the server won't let me do it by myself

Kim
Herron

Mime-Version: 1.0
From: "k4pf@juno.com" <k4pf@juno.com>
Date: Tue, 9 Sep 2008 21:34:05 GMT
To: Old Tube Radios <boatanchors@theporch.com>

Cc: boatanchors@theporch.com
Subject: Re: HP CD-200
Message-Id: <20080909.173405.287.0@webmail03.vgs.unttd.com>
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Type: text/plain; charset=ISO-8859-1

-- John Sehring <wb0eq@yahoo.com> wrote:
><snip> My HP-200CD is serial #4115, tubes are 2@ 6SH7, 2@ 6AV5 & 5Y3, s=
o it's got the later push-pull but still octal tube circuit. The closes=
t schematic I've got is for a 202C (serial #93 & above) using 2@ 6SH7, 2=
@ 6AU5 & 5Y3; tube's are mighty close, range is 1 Hz - 100 kHz so schema=
tic is probably vy close.

Hi, John
The manual I have is for HP-200CD S/N 8739 and above
(same version as is available on BAMA), here's the BAMA link:
<http://bama.edebris.com/manuals/hp/200cd/>

That BAMA manual should be very close to your instrument.

If anyone would like the schematic for the miniature tube version
of the HP-200CD, (two 6AU6's and two 6CW5's) I can email him a copy. Th=
is is the latest version, with solid state rectifier.
The schematic was posted on the Yahoo HP group.

My tuning dial turns freely, but has a bit of a screech coming
from behind the fine tuning knob. Probably just needs a touch
of Lubriplate there. =

73,
Ed Knobloch

=

Date: Wed, 10 Sep 2008 10:20:21 -0700 (PDT)
From: John Sehring <wb0eq@yahoo.com>
Subject: HP CD-200
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Message-ID: <922774.9264.qm@web45615.mail.sp1.yahoo.com>

Good steer, Ed, thank you!

Manual sez there are three small holes in gear area that need drop or two of light oil annually or so.

I now have (thanks to Chuck N7RHU) a schem that's vy close to mine.

I may be nit-picking (me...anal retentive?...don't answer that!), but it would be nice to find a schem with *exactly* mine's tube lineup, i.e. 6AV5's in output. Yes, I know 6AU5's & 6AV5 are so close in characteristics (both orig. designed for TV horiz. sweep svc.) but...

The job's not finished 'til the paperwork's done, ya know.

--John WB0EQ

> From: k4pf@juno.com <k4pf@juno.com>
> Subject: Re: HP CD-200
> To: wb0eq@yahoo.com
> Cc: boatanchors@theporch.com
> Date: Tuesday, September 9, 2008, 3:34 PM
> -- John Sehring <wb0eq@yahoo.com> wrote:
> ><snip> My HP-200CD is serial #4115, tubes are 2@
> 6SH7, 2@ 6AV5 & 5Y3, so it's got the later push-pull
> but still octal tube circuit. The closest schematic
> I've got is for a 202C (serial #93 & above) using 2@
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>
> That BAMA manual should be very close to your instrument.
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> coming
> from behind the fine tuning knob. Probably just needs a
> touch
> of Lubriplate there.
>
> 73,
> Ed Knobloch

Message-ID: <BAY110-DAV845411F5EA70C2141E884A0570@phx.gbl>
From: "JAMES HANLON" <knjhanlon@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: ARRL Rocky Mountain Division update -- August/September 2008
Date: Wed, 10 Sep 2008 14:58:03 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thought you folks might be interested in this post from my ARRL Director.

Jim, W8KGI

> ===== QST Magazine article archive available to members =====
>
> Just this past week ARRL rolled out an online QST article archive.
> Articles from QST magazine between December 1915 through December 2004
> are now available in PDF format! An archive search engine is available
> on the ARRL website at <http://www.arrl.org/members-only/qqnsearch.html>
> Please note that the archives are intended for personal use only, and
> may not be freely distributed or copied.

Message-ID: <001301c9138a\$50ab2da0\$d49f480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP CD-200
Date: Wed, 10 Sep 2008 14:15:06 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>but it would be nice to find a schem with *exactly* mine's tube lineup, i.e. 6AV5's in output. Yes, I know 6AU5's & 6AV5 are so close in characteristics (both orig. designed for TV horiz. sweep svc.) but...

What hasn't been mentioned is that somewhere along the series of production runs that gave us this most useful audio oscillator a balancing potentiometer was added to distortion null the output. THD's below 0.1% are achievable by careful tube selection and in the later models by additionally adjusting the balance pot. The 3 watt 115 volt amplitude regulation lamps also have some effect on distortion performance but where to get 3 watt candelabra lamps these days is beyond me. However for typical ham radio work a distortion figure around 0.5% THD is reasonable.

In the earlier models the grid coupling capacitors are 0.047uF with (I think) 10 megohm grid resistors. HP changed the capacitors to 0.47UF and the resistors to 1 meg in order to overcome instability caused by tubes with higher levels of grid current. In either case the Sprague caps get too leaky and should be replaced with good quality polyester or polypropylene capacitors (I know someone will rail against polyester as not being good enough but I beg to differ).

Arden Allen
KB6NAX

Message-ID: <48C83F81.5060102@mindspring.com>
Date: Wed, 10 Sep 2008 17:43:29 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP CD-200
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Arden Allen wrote:

> The 3 watt 115 volt amplitude regulation lamps
> also have some effect on distortion performance but where to get 3 watt
> candelabra lamps these days is beyond me.

>

Arden -

Here are a couple of places for the 3S6 bulb.

<<http://www.interlight.biz/light-bulb/3S6/5>>

<http://www.bulbdirect.com/products/product.php?item_id=1568&cat_id=>

73, Garey - K40AH
Glen Allen, VA

Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
<www.k4oah.com>

Message-ID: <BAY130-W422E5376A1BF5C5D0B4E36E0570@phx.gbl>
Content-Type: multipart/alternative;
 boundary="_ed2fe43e-dea4-4faa-bd3b-b3325aaca132_"
From: RICHARD SOLOMON <w1ksz@q.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: ARRL Rocky Mountain Division update -- August/September 2008
Date: Wed, 10 Sep 2008 23:48:51 +0000
MIME-Version: 1.0

--_ed2fe43e-dea4-4faa-bd3b-b3325aaca132_
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

That should put an end to those over-priced=2C computer system killer CD's.=
I brought one into
work to read at lunchtime some years ago and did it ever mess up our networ=
k.
Took the IT folks several hours to fix it.
=20
73=2C Dick=2C W1KSZ

> From: knjhanlon@msn.com> To: boatanchors@theporch.com> Subject: Fw: ARRL =
Rocky Mountain Division update -- August/September 2008> Date: Wed=2C 10 Se=
p 2008 14:58:03 -0600> > Thought you folks might be interested in this post=
from my ARRL Director.> > Jim=2C W8KGI> > > =3D=3D=3D=3D=3D QST Magazine=
article archive available to members =3D=3D=3D=3D=3D> > > Just this past=
week ARRL rolled out an online QST article archive. > > Articles from QST =
magazine between December 1915 through December 2004> > are now available i=
n PDF format! An archive search engine is available> > on the ARRL website =
at <http://www.arrl.org/members-only/qqnsearch.html> > > Please note that the=
archives are intended for personal use only=2C and> > may not be freely di=
stributed or copied.> > =

--_ed2fe43e-dea4-4faa-bd3b-b3325aaca132_
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--_ed2fe43e-dea4-4faa-bd3b-b3325aaca132_--

Mime-Version: 1.0
From: "k4pf@juno.com" <k4pf@juno.com>
Date: Wed, 10 Sep 2008 23:50:01 GMT
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: HP CD-200
Message-Id: <20080910.195001.13093.0@webmail02.vgs.untld.com>
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Type: text/plain; charset=ISO-8859-1

-- "Arden Allen" wrote:
>What hasn't been mentioned is that somewhere =

along the series of production runs that gave us =

this most useful audio oscillator a balancing
potentiometer was added to distortion null the output. =

THD's below 0.1% are achievable by careful tube selection =

and in the later models by additionally
adjusting the balance pot. <snip>

Hi, Arden

Also HP added a 1K balancing pot in the 6.3V heater circuit,
to reduce hum. It's frustrating that all these different
schematics all have the same "copyright 1954" notation.

73,
Ed Knobloch

Message-ID: <48C8647F.2070901@mindspring.com>
Date: Wed, 10 Sep 2008 20:21:19 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: ARRL Rocky Mountain Division update -- August/September 2008
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

I would suggest you need new IT guys... :-)

I have the full set, and have been using them for years, on several different machines, with no problems.

73, Garey - K40AH
Glen Allen, VA

Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
<www.k4oah.com>

RICHARD SOLOMON wrote:

```
> * * * * *
> *      ---REMAINDER OF MESSAGE TRUNCATED---      *
> *      This post contains a forbidden message format      *
> *      (such as an attached file, a v-card, HTML formatting) *
> *      Mail Lists at theporch.com only accept PLAIN TEXT      *
> *      If your postings display this message your mail program *
> *      is not set to send PLAIN TEXT ONLY and needs adjusting *
> * * * * *
>
>
```

Message-Id: <6.2.1.2.2.20080910210420.01e1fec0@pop-server.nc.rr.com>
Date: Wed, 10 Sep 2008 21:04:37 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: John <johnmb@nc.rr.com>
Subject: Re: ARRL Rocky Mountain Division update -- August/September
2008
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yep, just a bunch of TIF files !

John K5MO

At 08:21 PM 09/10/2008, Garey Barrell wrote:
>I would suggest you need new IT guys... :-)
>
>I have the full set, and have been using them for years, on several
>different machines, with no problems.
>
>73, Garey - K4OAH
>Glen Allen, VA
>
>Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
><www.k4oah.com>
>
>
>

>RICHARD SOLOMON wrote:

```
>>* * * * *
>>*      ---REMAINDER OF MESSAGE TRUNCATED---      *
>>*      This post contains a forbidden message format      *
>>* (such as an attached file, a v-card, HTML formatting) *
>>*      Mail Lists at theporch.com only accept PLAIN TEXT      *
>>* If your postings display this message your mail program *
>>* is not set to send PLAIN TEXT ONLY and needs adjusting *
>>* * * * *
>>
>>
>
```

Message-ID: <7813736.1221098906738.JavaMail.root@elwamui-
rubis.atl.sa.earthlink.net>
Date: Wed, 10 Sep 2008 22:08:26 -0400 (EDT)
From: spr@earthlink.net
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP CD-200
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 7bit

Folks,

HP ain't the only ones. The Hallicrafters SX-42 has at least two production variants (rev F or rev G, lower right hand corner of schematic).

You have to know about it to look for the rev letter. The main change is to the last IF stage and AM detector.

/scott

-----Original Message-----

>From: "k4pf@juno.com" <k4pf@juno.com>
>Sent: Sep 10, 2008 7:50 PM
>To: Old Tube Radios <boatanchors@theporch.com>
>Cc: boatanchors@theporch.com
>Subject: Re: HP CD-200

>

>

>

>-- "Arden Allen" wrote:

>>What hasn't been mentioned is that somewhere
>along the series of production runs that gave us
>this most useful audio oscillator a balancing
>potentiometer was added to distortion null the output.
>THD's below 0.1% are achievable by careful tube selection
>and in the later models by additionally
>adjusting the balance pot. <snip>

>

>Hi, Arden

>

>Also HP added a 1K balancing pot in the 6.3V heater circuit,
>to reduce hum. It's frustrating that all these different
>schematics all have the same "copyright 1954" notation.

>

>73,

>Ed Knobloch

>

Message-ID: <007c01c9141d\$140b9400\$a8609a04@yourxb2x7j77gn>

From: "David Thompson" <thompson@mindspring.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: IM-2400 Counter FOR SALE

Date: Thu, 11 Sep 2008 10:45:46 -0400

MIME-Version: 1.0

Content-Type: text/plain;

format=flowed;

charset="iso-8859-1";

reply-type=original

Content-Transfer-Encoding: 7bit

Hand held 512 mcs Frequency Counter model IM-2400 counter for sale. Comes with an original manual, schematics, carrying case, and wall wart (all original Heathkit).

I used this to measure the frequency of a Meissner

EX Signal Shifter which I sold about one year ago.

\$45 shipped anywhere in CONUS. Will consider elsewhere.

Dave K4JRB

From: ail0@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: HP CD-200
Date: Thu, 11 Sep 2008 18:23:29 +0000
Message-Id:
<091120081823.23409.48C96221000EA50900005B7122218683269B0A02D29B9B0EBFCF04070E@att.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="NextPart_Webmail_9m3u9jl4l_23409_1221157409_0"

--NextPart_Webmail_9m3u9jl4l_23409_1221157409_0
Content-Type: text/plain
Content-Transfer-Encoding: 8bit

I have, somewhere, an HP manual for the 200A, 200B, 200C, and 200D with
schematics, parts lists
and chassis layouts and circuit descriptions and alignment and service
information.

73's

Art K3HBA

--NextPart_Webmail_9m3u9jl4l_23409_1221157409_0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *

--NextPart_Webmail_9m3u9jl4l_23409_1221157409_0--

End of BOATANCHORS Digest 4207
